**Grade 6 Math**

**N1 Place Value**

Decimal Number Target Game:

<http://www.phschool.com/atschool/cmp2/active_math/site/Grade6/Benchmark/index.html>

Place Value – Large Numbers & Decimals - Practice:

<http://ca.ixl.com/math/grade-5>

<http://ca.ixl.com/math/grade-6>

Trillion Dollars:

<http://www.pagetutor.com/trillion/index.html>

Representing Decimals on Hundreds Grid Game:

<http://www.decimalsquares.com/dsGames/games/beatclock.html>

Large Number Lesson and Game:

<http://www.aaamath.com/plc41a-placevalues.html#pgtp>

<http://www.aaastudy.com/plc41ax3.htm>

Place Value Game & Rounding Game:

<http://www.funbrain.com/tens/index.html>

Modelling Decimal Numbers:

<http://nlvm.usu.edu/en/nav/frames_asid_152_g_2_t_1.html>

**N2 Problem Solving**

Word Problems Activity Page:

<http://bigideasmath.com/protected/content/dcs/fl/grade%206/chapter%201/section%201/expression_tool.html>

Word Problems Game:

<http://www.mathplayground.com/mathhoops_Z1.html>

Word Problems - Practice:

<http://ca.ixl.com/math/grade-5>

**N3 Factors & Multiples**

Factors Game:

<http://www.phschool.com/atschool/cmp2/active_math/site/Grade6/FactorGame/index.html>

Factors Game:

<http://www.phschool.com/atschool/cmp2/active_math/site/Grade6/ProductGame/index.html>

Prime & Composite, Factors - Practice:

<http://ca.ixl.com/math/grade-5>

<http://ca.ixl.com/math/grade-6>

<http://ca.ixl.com/math/grade-7>

Multiples Game:

<http://www.mathplayground.com/multiples.html>

Factors & Multiples Lesson:

<http://www.learnalberta.ca/content/mesg/html/math6web/index.html?page=lessons&lesson=m6lessonshell07.swf>

**N4 Improper Fractions & Mixed Numbers**

Videos: Improper Fractions & Mixed Numbers:

<http://www.onlinemathlearning.com/mixed-number.html>

Mixed Numbers – Practice:

<http://ca.ixl.com/math/grade-5>

<http://ca.ixl.com/math/grade-6>

Mixed Numbers Lesson:

<http://www.learnalberta.ca/content/mesg/html/math6web/index.html?page=lessons&lesson=m6lessonshell02.swf>

Fraction Game:

<http://www.teacherlink.org/content/math/interactive/flash/kidsandcookies/kidcookie.php>

**N5 Ratio**

Ratio Practice:

<http://ca.ixl.com/math/grade-6>

Ratios Lesson:

<http://www.learnalberta.ca/content/mesg/html/math6web/index.html?page=lessons&lesson=m6lessonshell03.swf>

Ratio Lesson:

<http://www.learnalberta.ca/content/mec/html/index.html>

**N6 Percent**

Percent Activity:

<http://bigideasmath.com/protected/content/dcs/fl/grade%206/chapter%204/section%201/percents_fractions.html>

Percent Practice:

<http://ca.ixl.com/math/grade-6>

Percent Lesson:

<http://www.learnalberta.ca/content/mesg/html/math6web/index.html?page=lessons&lesson=m6lessonshell04.swf>

Representing Decimals on Hundreds Grid Game:

<http://www.decimalsquares.com/dsGames/games/beatclock.html>

**N7 Integers**

Integer Practice:

<http://ca.ixl.com/math/grade-6>

Integer Lesson:

<http://www.learnalberta.ca/content/mesg/html/math6web/index.html?page=lessons&lesson=m6lessonshell06.swf>

Integer Game:

<http://www.carstensstudios.com/mathdoodles/numberjump.htm>

**N8 Multiply & Divide Decimals**

Times Table Game:

<http://www.phschool.com/atschool/cmp2/active_math/site/Grade6/ProductGame/index.html>

Base Ten Models:

<http://bigideasmath.com/protected/content/dcs/fl/grade%206/chapter%203/section%204/base_ten_manipulatives.html>

Multiplying Decimals - Practice:

<http://ca.ixl.com/math/grade-5>

<http://ca.ixl.com/math/grade-6>

Problems with Decimals Lesson:

<http://www.learnalberta.ca/content/mesg/html/math6web/index.html?page=lessons&lesson=m6lessonshell05.swf>

**N9 Order of Operations**

Order of Operations – Practice:

<http://ca.ixl.com/math/grade-5>

Order of Operation Game: (Four in a Row)

<http://www.shodor.org/interactivate/activities/OrderOfOperationsFou/>

<http://www.schooltimegames.com/Mathematics/QuickCalculate.html>

<http://www.schooltimegames.com/Mathematics/ArithmeticGame.html>

**PR1 Table of Values**

Input Output Machine Activity:

<http://bigideasmath.com/protected/content/dcs/fl/grade%208/chapter%204/section%201/function_machine.html>

Input Output Tables – Practice:

<http://ca.ixl.com/math/grade-4>

Patterns Lesson:

<http://www.learnalberta.ca/content/mesg/html/math6web/index.html?page=lessons&lesson=m6lessonshell08.swf>

**PR2 Graphs & Tables**

**PR3 Algebra**

**PR4 Preservation of Equality**

Balanced Equations Scale Activity:

<http://bigideasmath.com/protected/content/dcs/va/grade%208/chapter%201/section%203/te_scale.html>

Balancing Equations Lesson:

<http://www.learnalberta.ca/content/mesg/html/math6web/index.html?page=lessons&lesson=m6lessonshell11.swf>

**SS1 Angles**

Measuring Angles Activity:

<http://bigideasmath.com/protected/content/dcs/fl/grade%208/chapter%201/section%202/activity_2.html>

Types of Angles & Measuring - Practice:

<http://ca.ixl.com/math/grade-5>

<http://ca.ixl.com/math/grade-4>

<http://ca.ixl.com/math/grade-6>

Angle Lesson:

<http://www.learnalberta.ca/content/mesg/html/math6web/index.html?page=lessons&lesson=m6lessonshell16.swf>

Estimating Angles Game:

<http://www.mathplayground.com/alienangles.html>

<http://www.innovationslearning.co.uk/subjects/maths/activities/year6/angles/game.asp>

**SS2 Sum of Interior Angles**

Measuring Angles in a Triangle Activity:

<http://bigideasmath.com/protected/content/dcs/fl/grade%208/chapter%201/section%201/angles_of_a_triangle.html>

Missing Angle in Triangle & Quadrilateral Practice:

<http://ca.ixl.com/math/grade-8>

Sum of Angles in a Triangle Model:

<http://www.geogebra.org/en/upload/files/english/Barbara_Perez/Triangle_Angle_Sum.html>

**SS3 Perimeter, Area, Volume**

Volume Activity:

<http://www.phschool.com/atschool/cmp2/active_math/site/Grade7/BoxFill/index.html>

Area Calculation Tool:

<http://bigideasmath.com/protected/content/dcs/va/grade%206/chapter%202/section%202/area_tool.html>

Area and Perimeter of Rectangles Using a Grid:

<http://bigideasmath.com/protected/content/dcs/va/grade%206/chapter%202/section%202/activity_2.html>

Perimeter, Area, Volume- Practice:

<http://ca.ixl.com/math/grade-5>

<http://ca.ixl.com/math/grade-4>

Volume Practice:

<http://ca.ixl.com/math/grade-7>

Perimeter & Area Lesson:

<http://www.learnalberta.ca/content/mesg/html/math6web/index.html?page=lessons&lesson=m6lessonshell12.swf>

Volume Lesson:

<http://www.learnalberta.ca/content/mesg/html/math6web/index.html?page=lessons&lesson=m6lessonshell15.swf>

Perimeter and Area Game:

<http://www.mathplayground.com/PartyDesigner/PartyDesigner.html>

Area Lesson:

<http://www.learnalberta.ca/content/mec/html/index.html>

**SS4 Comparing Triangles**

Types of Triangles- Practice:

<http://ca.ixl.com/math/grade-5>

<http://ca.ixl.com/math/grade-4>

<http://ca.ixl.com/math/grade-6>

Sorting Triangles:

<http://www.crickweb.co.uk/ks2numeracy-shape-and-weight.html#triangles>

**SS5 Polygons**

Quadrilateral Game:

<http://www.phschool.com/atschool/cmp2/active_math/site/Grade6/Quad/index.html>

Regular & Irregular Polygons - Practice:

<http://ca.ixl.com/math/grade-5>

**SS6 Translations, Rotations, Reflections**

Slides & Flips Lesson:

<http://www.learnalberta.ca/content/mesg/html/math6web/index.html?page=lessons&lesson=m6lessonshell17.swf>

**SS7 Successive Transformations**

Two transformations - Practice:

<http://ca.ixl.com/math/grade-5>

**SS8 Quadrant Graphing**

Quadrant Graphing Activity:

<http://bigideasmath.com/protected/content/dcs/fl/grade%207/chapter%201/section%206/coordinate_plane.html>

Graphing & Naming Points – Practice:

<http://ca.ixl.com/math/grade-5>

<http://ca.ixl.com/math/grade-4>

Ordered Pairs Lesson:

<http://www.learnalberta.ca/content/mesg/html/math6web/index.html?page=lessons&lesson=m6lessonshell18.swf>

Game:

<http://www.counton.org/games/virtualmathfest/dinosaur.html>

**SS9 Transformations in First Quadrant**

**SP1 Line Graphs**

Create & Interpret Line Graphs – Practice:

<http://ca.ixl.com/math/grade-5>

<http://ca.ixl.com/math/grade-4>

**SP2 Collecting Data**

**SP3 Graphing Data Collected**

**SP4 Probability**

Probability – Practice:

<http://ca.ixl.com/math/grade-5>

Probability Lesson:

<http://www.learnalberta.ca/content/mesg/html/math6web/index.html?page=lessons&lesson=m6lessonshell19.swf>

Game:

<http://www.bbc.co.uk/education/mathsfile/shockwave/games/fish.html>

**Mental Math**

Adding:

<http://www.mathplayground.com/PartPartWhole.html>

Multiplying:

<http://www.mathplayground.com/spaceracer_multiplication.html>

Money:

<http://www.mathplayground.com/making_change.html>